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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. AGBX-2 CIP | SERIAL NO. 09/375,924 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Michael Gallo et al. | |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--------------------|---------|-----------------|-------|----------|----------------------------------|
| | 4,399,216 | 08/1983 | Axel et al. | 435 | 6 | |
| | 4,740,461 | 04/1988 | Kaufman | 435 | 68 | |
| | 4,912,040 | 03/1990 | Kaufman et al. | 435 | 69.6 | |
| | 4,959,455 | 09/1990 | Clark et al. | 530 | 351 | |
| | 5,151,510 | 09/1992 | Stec et al. | 536 | 27 | |
| | 5,545,806 | 08/1996 | Lonberg et al. | 800 | 2 | |
| | 5,545,807 | 08/1996 | Surani et al. | 890 | 2 | |
| | 5,625,825 | 04/1997 | Rostoker et al. | 895 | 730 | |
| | 5,739,277 | 04/1998 | Presta et al. | 530 | 326 | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----------------|---------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | EP 0 463 151 B1 | 06/1996 | Europe | A | | | |
| | EP 0 770 628 A | 05/1997 | Europe | | | | |
| | WO 91/08298 | 06/1991 | WIPO | | | | |
| | WO 92/03918 | 03/1992 | WIPO | | | | |
| | WO 92/22645 | 12/1992 | WIPO | | | | |
| | WO 93/12227 | 06/1993 | WIPO | | | | |
| | WO 93/22332 | 11/1993 | WIPO | | | | |
| | WO 94/02602 | 02/1994 | WIPO | | | | |
| | WO 94/04689 | 03/1994 | WIPO | | | | |
| | WO 94/25585 | 11/1994 | WIPO | | | | |
| | WO 96/08512 | 03/1996 | WIPO | | | | |
| | WO 96/18412 | 06/1996 | WIPO | | | | |
| | WO 96/32478 | 10/1996 | WIPO | | | | |
| | WO 96/33735 | 10/1996 | WIPO | | | | |
| | WO 96/34096 | 10/1996 | WIPO | | | | |
| | WO 97/34631 | 09/1997 | WIPO | | | | |
| | WO 97/43316 | 11/1997 | WIPO | | | | |

EXAMINER



DATE CONSIDERED

6/19/01

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| | | | |
|--|--|-----------------------------------|---------------------------|
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FOREIGN PATENT DOCUMENTS

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|---------------------|-----------------|---------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | WO 97/44362 | 11/1997 | WIPO | | | | |
| | WO 98/24884 | 06/1998 | WIPO | | | | |
| | WO 98/24893 | 06/1998 | WIPO | | | | |
| | WO 98/31820 | 07/1998 | WIPO | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|--|
| | Anand et al., "Construction of yeast artificial chromosome libraries with large inserts using fractionation by pulsed-field gel electrophoresis." <i>Nucl. Acids Res.</i> 17:3425-3433 (1989) |
| | Artandi et al. "Monoclonal IgM rheumatoid factors bind IgG at a discontinuous epitope comprised of amino acid loops from heavy-chain constant-region domains 2 and 3", <i>Proc Natl Acad Sci USA</i> 89:94-98 (1992) |
| | Berman et al. "Content and organization of the human Ig VH locus: definition of three new V _H families and linkage to the Ig C _H locus." <i>EMBO J.</i> 7:727-738 (1988) |
| | Bowie et al., "A method to identify protein sequences that fold into a known three-dimensional structure," <i>Science</i> 253:164 (1991) |
| | Brambell et al., "A theoretical model of γ-Globulin Catabolism," <i>Nature</i> 203:1352-1355 (1964) |
| | Brambell, "The transmission of immunity from mother to young and the catabolism of immunoglobulins," <i>The Lancet</i> II:1087-1093 (1966) |
| | Brezinschek et al., "Analysis of the heavy chain repertoire of human peripheral B-cells using single-cell polymerase chain reaction." <i>J. Immunol.</i> 155:190-202 (1995) |
| | Brownstein et al., "Isolation of single-copy human genes from a library of yeast artificial chromosome clones." <i>Science</i> 244:1348-1351 (1989) |
| | Bruggeman et al., "A repertoire of monoclonal antibodies with human heavy chains from transgenic mice," <i>PNAS USA</i> 86:6709-6713 (1989) |
| | Bruggemann et al., "Generation of antibody repertoires in transgenic mice," <i>Methods: A Companion to Methods in Enzymology</i> , 2:159-165 (1991) |
| | Bruggemann et al., "Human antibody production in transgenic mice: expression from 100 kb of the human IgH locus." <i>Eur. J. Immunol.</i> 21:1323-1326 (1991) |
| | Bruggemann et al., "Strategies for expressing human antibody repertoires in transgenic mice," <i>Immunology Today</i> 17:391-397 (1996) |
| | Burmeister et al., Crystal structure of the complex of rat neonatal Fc receptor with Fc," <i>Nature</i> 372:379-83 (1994) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
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| | | FILING DATE August 17, 1999 | GROUP 1643-1644 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|---|
| | Chen et al. "Immunoglobulin gene rearrangement in B-cell deficient mice generated by targeted deletion of the J _H locus" <i>International Immunology</i> 5:647-656 (1993) |
| | Choi et al. "Transgenic mice containing a human heavy chain immunoglobulin gene fragment cloned in a yeast artificial chromosome" <i>Nature Genetics</i> 4:117-123 (1993) |
| | Chothia & Lesk, "Canonical structures for the hypervariable regions of immunoglobulins," <i>J. Mol. Biol.</i> 196:901-917 (1987) |
| | Chothia et al., "Conformations of immunoglobulin hypervariable regions," <i>Nature</i> 342:878-883 (1989). |
| | Cook, G.P. and Tomlinson, I.M., "The human immunoglobulin V _H repertoire." <i>Immunology Today</i> 16:237-242 (1995) |
| | Cox et al., "A directory of human germ-line Vx segments reveals a strong bias in their usage." <i>Eur. J. Immunol.</i> 24:827-836 (1994) |
| | Dariavach et al., "The mouse IgH 3'-enhancer." <i>Eur. J. Immunol.</i> 21:1499-1504 (1991) |
| | Den Dunnen et al., "Reconstruction of the 2.4 Mb human DMD-gene by homologous YAC recombination." <i>Human Molecular Genetics</i> 1:19-28 (1992) |
| | Dima et al., "Effect of protein A and its fragment B on the catabolic and Fc receptor sites of IgG," <i>Eur. J. Immunol.</i> 13: 605 (1983) |
| | Ellerson et al., "Structure and function of immunoglobulin domains," <i>J. Immunol.</i> 116:510 (1976) |
| | Evans et al., "Design of nonpeptidal ligands for a peptide receptor: cholecystokinin antagonists," <i>J. Med. Chem.</i> 30:1229 (1987) |
| | Fahey and Robinson, "Factors controlling serum γ-globulin concentration," <i>A.G. J Exp. Med</i> 118: 845-868 (1963) |
| | Fauchere, "Elements for the rational design of peptide drugs," <i>J. Adv. Drug Res.</i> 15:29 (1986) |
| | Feeney, A.J. "Lack of N regions in fetal and neonatal mouse immunoglobulin V-D-J junctional sequences." <i>J. Exp. Med.</i> 172:137-1390 (1990) |
| | Fishwild et al., "High-avidity human IgGκ monoclonal antibodies from a novel strain of minilocus transgenic mice." <i>Nature Biotech.</i> 14:845-851 (1996) |
| | Flanagan, J.G. and Rabbitts, T.H., "Arrangement of human immunoglobulin heavy chain constant region genes implies evolutionary duplication of a segment containing Y, ε, and α genes." <i>Nature</i> 300:709-713 (1982) |
| | <i>Fundamental Immunology</i> Ch. 7 (Paul, W., ed., 2nd ed. Raven Press, N.Y. (1989) |
| | Galfre, G. and Milstein, C., "Preparation of monoclonal antibodies: strategies and procedures." <i>Methods Enzymol.</i> 73:3-46 (1981) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
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| | | FILING DATE August 17, 1999 | GROUP 1643-1644 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|--|
| | Gemmill et al., "Protocols for pulsed field gel electrophoresis: Separation and detection of large DNA molecules." <i>Advances in Genome Biology</i> 1:217-251 (1992) |
| | Ghetie et al., "Increasing the serum persistence of an IgG fragment by random mutagenesis," <i>Nature Biotechnology</i> 15:637 (1997) |
| | Ghetie and Ward, "FcRn: the MHC class I-related receptor that is more than an IgG transporter," <i>Immunol Today</i> 18:592-598 (1997) |
| | Gill et al., "Monoclonal anti-epidermal growth factor receptor antibodies which are inhibitors of epidermal growth factor binding and antagonists of epidermal growth factor-stimulated tyrosine protein kinase activity." <i>J. Biol. Chem.</i> 259:7755 (1984) |
| | Green et al., "Antigen-specific human monoclonal antibodies from mice engineered with human Ig heavy and light chain YACs." <i>Nature Genetics</i> 7:13-21 (1994) |
| | Hermanson et al., "Rescue of end fragments of yeast artificial chromosomes by homologous recombination in yeast." <i>Nucleic Acids Res.</i> 19:4945-4948 (1991) |
| | Huber et al., "The human immunoglobulin x locus. Characterization of the partially duplicated L regions." <i>Eur. J. Immunol.</i> 23:2860-2967 (1993) |
| | Humphrey and Fahey, "The metabolism of normal plasma proteins and gamma-myeloma protein in mice bearing plasma-cell tumors," <i>J. Clin. Invest.</i> 40:1696-1705 (1961) |
| | <i>Immunoglobulin Genes</i> pp. 259-274 (Honjo et al. eds., Academic Press Limited, San Diego, CA (1989) |
| | Jakobovits, A., "Humanizing the mouse genome." <i>Current Biology</i> 4:761-763 (1994) |
| | Jakobovits, A. et al., "Germ-line transmission and expression of a human-derived yeast artificial-chromosome." <i>Nature</i> 362:255-258 (1993) |
| | Jakobovits, A. et al., "Analysis of homozygous mutant chimeric mice: Deletion of the immunoglobulin heavy-chain joining region blocks B-cell development and antibody production." <i>Proc. Natl. Acad. Sci. USA</i> 90:2551-2555 (1993) |
| | Jakobovits, A., "Production of fully human antibodies by transgenic mice." <i>Current Opinion in Biotechnology</i> 6:561-566 (1995) |
| | Junghans, "Finally! The brambell receptor (FcR β)," <i>Immunologic Res.</i> 16:29-57 (1997) |
| | Junghans and Waldmann, "Metabolism of Tac(IL2R α): physiology of cell surface shedding and renal catabolism, and suppression of catabolism by antibody binding," <i>J. Exp. Med.</i> 183, 1587-1602 (1996) |
| | Junghans et al., "The protection receptor for IgG catabolism is the β 2-microglobulin-containing neonatal intestinal transport receptor," <i>Proc Natl Acad Sci USA</i> 93:5512-5516 (1996) |
| | Kawamoto et al., "Growth stimulation of A431 cells by epidermal growth factor: Identification of high affinity receptors for EGF by an anti-receptor monoclonal antibody." <i>Proc. Nat. Acad. Sci., USA</i> 80:1337-1341 (1983) |

EXAMINER



DATE CONSIDERED

6/19/01

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OTHER DOCUMENTS (Including ~~Priority~~ Date, Pertinent Pages, Etc.)

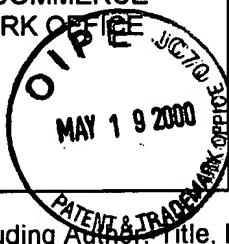
| EXAMINER INITIAL | |
|---------------------|--|
| | Kim et al., "Catabolism of the murine IgG1 molecule: evidence that both CH2-CH3 domain interfaces are required for persistence of IgG1 in the circulation of mice," <i>Scand J Immunol</i> 40:457-465 (1994) |
| | Kim et al., "Evidence that the hinge region plays a role in maintaining serum levels of the murine IgG1 molecule," <i>Mol Immunol</i> 32:467-475 (1995) |
| | Kim et al., "Localization of the site of the murine IgG1 molecule that is involved in binding to the murine intestinal Fc receptor," <i>Eur J. Immunol.</i> 24:2429-2434 (1994) |
| | Kim et al., "Identifying amino acid residues that influence plasma clearance of murine IgG1 fragments by site-directed mutagenesis," <i>Eur. J. Immunol.</i> 24:542-548 (1994) |
| | Knauf et al., "Relationship of Effective Molecular Size to Systemic Clearance in Rats of Recombinant Interleukin-2 Chemically Modified with Water-soluble Polymers," <i>J. Biochem.</i> 263:15064-15070 (1988) |
| | Kostelny et al., "Formation of a bispecific antibody by the use of leucine zippers," <i>J. Immunol.</i> 148:1547-1553 (1992) |
| | LaPlanche et al., "Phosphorothioate-modified oligodeoxyribonucleotides, III. NMR and UV spectroscopic studies of the <i>Rp-Rp</i> , <i>Sp-Sp</i> , and <i>Rp-Sp</i> duplexes, [d(GGsAATTCC)] ₂ , derived from diastereomeric O-ethyl phosphorothioates," <i>Nucl. Acids Res.</i> 14:9081 (1986) |
| | Lonberg et al., "Antigen-specific human antibodies from mice comprising four distinct genetic modifications," <i>Nature</i> 368:856-859 (1994) |
| | Lusti-Narasimhan et al., "Mutation of Leu 25 and Val 27 introduces CC chemokine activity into interleukin-8," <i>J. Biol. Chem.</i> 270:2716-2721 (1995) |
| | Marks et al., "Oligonucleotide primers for polymerase chain reaction amplification of human immunoglobulin variable genes and design of family-specific oligonucleotide probes," <i>Eur. J. Immunol.</i> 21:985-991 (1991) |
| | Mason and Williams, "The kinetics of antibody binding to membrane antigens in solution and at the cell surface," <i>Biochem J</i> 187:1-20 (1980) |
| | Masson, "Elimination of infectious antigens and increase of IgG catabolism as possible modes of action of IVIg," <i>J. Autoimmunity</i> 6:683-689 (1993) |
| | Matsuda et al., "Structure and physical map of 64 variable segments in the 3' 0.8-megabase region of the human immunoglobulin heavy-chain locus," <i>Nature Genetics</i> 3:88-94 (1993) |
| | Max, E., <i>Molecular genetics of immunoglobulins. Fundamental Immunology.</i> 315-382 (Paul, WE, ed., New York: Raven Press (1993) |
| | McFarlane, "The behavior of I ¹³¹ -labeled plasma proteins In Vivo," <i>Ann NY Acad Sci</i> 70:19-25 (1957) |
| | Medesan et al., "Delineation of the amino acid residues involved in transcytosis and catabolism of mouse IgG1," <i>J Immunol</i> 158:2211-2217 (1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|--|
| | Medesan et al., "Localization of the site of the IgG molecule that regulates maternofetal transmission in mice," <i>Eur. J. Immunol.</i> 26:2533-2536 (1996) |
| | Mendez et al., "Analysis of the structural integrity of YACs comprising human immunoglobulin genes in yeast and in embryonic stem cells." <i>Genomics</i> 26:294-307 (1995) |
| | Mendez et al., "A set of YAC targeting vectors for the interconversion of centric and acentric arms." <i>Cold Spring Harbor Laboratory Press, Genome Mapping and Sequencing meeting</i> , 163 (1993) |
| | Mendez et al., "Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice", <i>Nature Genetics</i> 15:146-156 (1997) |
| | Needleman and Wunsch, "A general method applicable to the search for similarities in the amino acid sequence of two proteins," <i>J. Mol. Biol.</i> 48:443 (1970) |
| | Nose and Wigzell, "Biological significance of carbohydrate chains on monoclonal antibodies," <i>Proc. Natl. Acad. Sci. USA</i> 80:6632 (1983) |
| | Pearson and Lipman, "Improved tools for biological sequence comparison," <i>Proc. Natl. Acad. Sci. (U.S.A.)</i> 85:2444 (1988) |
| | Pollock et al., "Intravascular metabolism of normal and mutant mouse immunoglobulin molecules," <i>Eur. J. Immunol.</i> 20:2021-2027 (1990) |
| | <i>Proc. Natl. Acad. Sci.</i> , "Construction and characterization of a yeast artificial chromosome," 87:4256 (1990) |
| | Raghavan et al., "Investigation of the interaction between the class I MHC-related Fc receptor and its immunoglobulin G ligand," <i>Immunity</i> 1:303-315 (1994) |
| | Raghavan et al., "Effects of receptor dimerization on the interaction between the class I major histocompatibility complex-related Fc receptor and IgG," <i>Proc Natl Acad Sci USA</i> 92:11200-11204 (1995) |
| | Raghavan et al., "Analysis of the pH dependence of the neonatal Fc receptor/immunoglobulin G interaction using antibody and receptor variants," <i>Biochemistry</i> 34:14649-14657 (1995) |
| | Ray, S. and Diamond, B., "Generation of a fusion partner to sample the repertoire of Splenic B-cells destined for apoptosis." <i>Proc. Natl. Acad. Sci. USA</i> 91:5548-5551 (1994) |
| | Rizo and Gierasch, "Constrained peptides: models of bioactive peptides and protein substructures," <i>Ann. Rev. Biochem.</i> 61:387 (1992) |
| | Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> (2d ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y. (1989) |
| | Sato et al., "Biological effects in vitro of monoclonal antibodies to human epidermal growth factor receptors" <i>Mol. Biol. Med.</i> 1:511-529 (1983) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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| | | FILING DATE August 17, 1999 | GROUP 1643-1644 |

OTHER DOCUMENTS (Including Author Name, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|--|
| | Schiestl, R.H. and Gietz, R.D., "High efficiency transformation of intact yeast cells using stranded nucleic acids as a carrier." <i>Curr. Genet.</i> 16:339-346 (1989) |
| | Segal et al., "The role of non-immune IgG in controlling IgG-mediated effector functions," <i>Mol Immunol</i> 20:1177-1189 (1983) |
| | Sell and Fahey, "Relationship between γ -globulin metabolism and low serum γ -globulin in germfree mice," <i>J Immunol</i> 93:81-87 (1964) |
| | Sell, "Evidence for species' differences in the effect of serum γ -globulin concentration on γ -globulin catabolism," <i>J. Exp. Med.</i> 120:967-986 (1964) |
| | Silverman et al., "Meiotic recombination between yeast artificial chromosomes yields a single clone containing the entire BCL2 protooncogene." <i>Proc. Natl. Acad. Sci. USA</i> 87:9913-9917 (1990) |
| | Smith and Waterman, "Comparison of biosequences," <i>Adv. Appl. Math.</i> 2:482 (1981) |
| | Songsivilai & Lachmann, "Bispecific antibody: a tool for diagnosis and treatment of disease," <i>Clin. Exp. Immunol.</i> 79:315-321 (1990) |
| | Spiegelberg in 19 <i>Advances in Immunology</i> F. J. Dixon and H. G. Kinkel, eds. 259-294 (Academic Press, NY: 1974) |
| | Spiegelberg and Wiegler, "The catabolism of homologous and heterologous 7S gamma globulin fragments," <i>J. Exp. Med.</i> 121:323-338 (1965) |
| | Srivastava, A. and Schlessinger, D., "Vectors for inserting selectable markers in vector arms and human DNA inserts of yeast artificial chromosomes (YACs)." <i>Gene</i> 103:53-59 (1991) |
| | Stec et al., "Automated solid-phase synthesis, separation, and stereochemistry of phosphorothioate analogues of oligodeoxy-ribonucleotides," <i>J. Am. Chem. Soc.</i> 106:6077 (1984) |
| | Stein et al., "Physicochemical properties of phosphorothioate oligodeoxynucleotides," <i>Nucl. Acids Res.</i> 16:3209 (1988) |
| | Tao and Morrison, "Role of carbohydrate in the structure and effector functions mediated by the human IgG constant region," <i>J Immunol.</i> 143:2595 (1989) |
| | Taylor et al., "A transgenic mouse that expresses a diversity of human sequence heavy and light chain immunoglobulins." <i>Nucleic Acids Research</i> 20:6287-6295 (1992) |
| | Taylor et al., "Human immunoglobulin transgenes undergo rearrangement, somatic mutation and class switching in mice that lack endogenous IgM." <i>International Immunology</i> 6:579-591 (1994) |
| | Thornton et al., "Prediction of progress at last," <i>Nature</i> 354:105 (1991) |
| | Tuaillon et al., "Analysis of direct and inverted DJ _H rearrangements in a human Ig heavy chain transgenic minilocus" <i>J. Immunol.</i> 154:6453-6465 (1995) |
| | Tuaillon et al., "Human immunoglobulin heavy-chain minilocus recombination in transgenic mice: gene segment use in <i>m</i> and <i>y</i> transcripts." <i>Proc. Natl. Acad. Sci. USA</i> 90:3720-3724 (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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| | | FILING DATE August 17, 1999 | GROUP 1043-1644 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|--|
| | Uhlmann and Peyman, "Antisense Oligonucleotides: A new therapeutic principle," <i>Chemical Reviews</i> 90:543 (1990) |
| | Vaughan et al., "Human antibodies with subnanomolar affinities isolated from a large non-immunized phage display library." <i>Nature Biotech.</i> 14:309-314 (1996) |
| | Vaughn and Bjorkman, "Structural basis of pH-dependent antibody binding by the neonatal Fc receptor," <i>Research Article</i> , 63-73, 1998 |
| | Vaughn and Bjorkman, "High-affinity binding of the neonatal Fc receptor to its IgG ligand requires receptor immobilization," <i>Biochemistry</i> 36: 9374-9380, 1997 |
| | Veber and Freidinger, "The design of metabolically-stable peptide analogs," <i>Trends In Neuroscience</i> p.392-396 (1985) |
| | Wagner et al., "The diversity of antigen-specific monoclonal antibodies from transgenic mice bearing human immunoglobulin gene miniloci." <i>Eur. J. Immunol.</i> 24:2672-2681 (1994) |
| | Waldman and Strober, "Metabolism of immunoglobulins," <i>Progress in Allergy</i> 13: 1-110, (1969) |
| | Waldmann and Ghetie, "Catabolism of Immunoglobulins," <i>Progress in Immunol.</i> 1:1187-1191 (Academic Press, New York: 1971) |
| | Waldmann and Jones, "The role of cell-surface receptors in the transport and catabolism of immunoglobulins," <i>Protein Turnover</i> 9:5-23 (1973) |
| | Wallace and Rees, "Studies on the immunoglobulin-G Fc-Fragment receptor from neonatal rat small intestine," <i>Biochem J</i> 188: 9-16 (1980) |
| | Wawrzynczak et al., "Recombinant mouse monoclonal antibodies with single amino acid substitutions affecting C1q and high affinity Fc receptor binding have identical serum half-lives in the balb/c mouse," <i>Molec. Immunol.</i> 29:221-227 (1992) |
| | Wawrzynczak et al., "Blood clearance in the rat of a recombinant mouse monoclonal antibody lacking the N-linked oligosaccharide side chains of the C _H 2 domains," <i>Mol. Immunol.</i> 29:213-220 (1992) |
| | Weichhold et al., "The human immunoglobulin k locus consists of two copies that are organized in opposite polarity." <i>Genomics</i> 16:503-511 (1993) |
| | Wochner et al., "The role of the kidney in the catabolism of Bence Jones proteins and immunoglobulin fragments," <i>J. Exp. Med.</i> 126:207 (1967) |
| | Yamada, M. et al., "Preferential utilization of specific immunoglobulin heavy chain diversity and joining segments in adult human peripheral blood B lymphocytes." <i>J. Exp. Med.</i> 173:395-407 (1991) |
| | Yasmeen et al., "The structure and function of immunoglobulin domains," <i>J. Immunol.</i> 116:518 (1976) |
| | Zon et al., <i>Oligonucleotides and Analogues: A Practical Approach</i> , pp. 87-108 (F. Eckstein, Ed., Oxford University Press, Oxford England (1991) |

EXAMINER

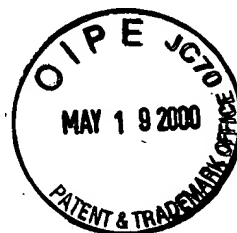
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|---|
| | Zon et al., "Phosphorothioate oligonucleotides: chemistry, purification, analysis, scale-up and future directions," <i>Anti-Cancer Drug Design</i> 6:539 (1991) |
| | Zuckier et al., "The use of severe combined immunodeficiency mice to study the metabolism of human immunoglobulin G," <i>Cancer</i> 73:794-799 (1994) |
| | Zuckier et al., "Immunologic and pharmacologic concepts of monoclonal antibodies," <i>Semin. Nucl. Med.</i> 19:166-186 (1989) |



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DATE CONSIDERED

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